OCTest/SCTest

$$S^2 = P^2 + Q^2$$

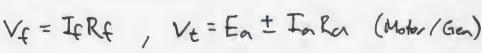
 $S = VI^*$
 $Q = \sqrt{S^2 - P^2}$

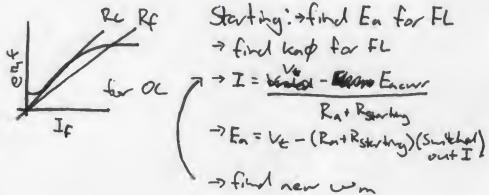
OC:
$$X_m = \frac{V^2}{Q}$$

$$R_m = \frac{V^2}{P}$$

Reg = P







$$VR = V_1 - V_2'$$

$$V_2'$$

$$M = N \cdot S \cdot pf$$

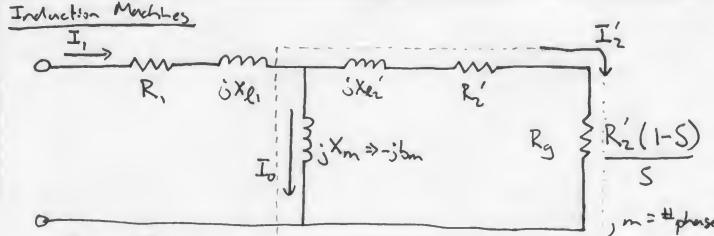
$$N \cdot S \cdot pf + n^2 P_{CUFL} + P_{COPE}$$

$$N = land (0 \rightarrow 1)$$

$$\frac{N_o - load}{R_o = R_1 + R_m} = \frac{P_o}{I_o^2}$$

$$\frac{Z_o = V_o/I_o}{I_o}$$

$$X_0 = X_{l_1} + X_m = \sqrt{Z_0^2 - R_0^2}$$



(Rf

$$X_{\ell_1} = X_{\ell_2}' = X_{\ell_1}/2$$

$$X_m = X_0 - X_{\ell_1}$$

$$P_g = m (I_2')^2 R_2' = m I_1^2 R_1'$$

Pout = Pn - Prot

Tout = Pout ws = 2mf Tout = I2 R2'
ws(1-s) #poles/2 Tout = I2 R2'

Pin=V3 |Vell ILI (pf)

$$V_{1a} = V_1 - I_o(R_1 + j X_{el}) = V_1 \frac{j X_m}{R_1 + j (X_{el} + X_m)}$$

$$R_{1}''+3X_{1}''=\frac{(R_{1}+3X_{1})3X_{m}}{R_{1}+3(X_{1}+X_{m})}$$

$$S_{maxT} = \frac{R_2'}{\sqrt{(R'')^2 + (X'' + X_{22}')^2}}$$

$$T_{max} = \frac{1}{\omega_s} \frac{(0.5)m(V_{10})^2}{\sqrt{(R_1'')^2 + (X_1'' + X_2L')^2}}$$

Erms = 4.44 f Np , scort!, Erms of

slip speed = ws-wm = sws

Suche boorns test

kepp-Hopkins

general = VIB = n (gen. input) = n2 VIa

, slip at start = 1

$$I_2' dV, \qquad M_5 = 1 - \frac{P/2 + I_8 R_8 + VI_{FB}}{V(I_8 - I_{FB}) + P_2 + I_8^2 R_8}$$

Iz reduced adogs